GAME NO. 623
APRIL 1977

MIDWAY'S

GUIDED MISSILE

PARTS CATALOG



MIDWAY MFG. CO.
A BALLY COMPANY
10750 WEST GRAND AVENUE
FRANKLIN PARK, ILLINOIS 60131
U.S.A.

PHONE: (312) 451-1360 CABLE ADDRESS: MIDCO TELEX NO.: 72-1596

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GENERAL INSTRUCTIONS FOR "GUIDED MISSILE"

INSTALLATION:

1. Remove shipping cleats located on the bottom of the cabinet.
2. Install 4 provided leg levelers to bottom of cabinet and level.
3. The power is controlled by a switch located on top of the cabinet. Plug into A.C. only 115 volts, 60 cycles. In low line areas (105 volts or less) a boost in the output voltage of the transformer may be obtained by removing the wire from the 115 volt tap of the transformer and rewiring to the 105 volt position.

VOLTAGE CONTROL POTS:

Located on Power Supply Board (P.C. 0080-009004D) and are preset at the factory. These pots should not be tampered with unless the Distributor Service Department is contacted.

VOLUME CONTROL POT:

Located on Game Logic Board (P.C. 0623-00907A) raises or lowers all sounds and may be adjusted as desired.

WARNING

THIS GAME MUST BE GROUNDED. FAILURE TO DO SO MAY RESULT IN DESTRUCTION TO ELECTRONIC COMPONENTS.

METHOD OF PLAY, TIME AND EXTENDED PLAY ADJUSTMENT SWITCHES:

Located on Game Logic Board (P.C. 0623-00907A) and may be adjusted as indicated on separate instruction sheet in back box area.

METHOD OF PLAY ADJUSTMENTS

	SW. #1	SW. #2
1 COIN – 1 PLAYER 2 COINS – 2 PLAYERS	OFF	OFF
1 COIN – 1 PLAYER 1 COIN – 2 PLAYERS	ON	OFF
2 COINS – 1 PLAYER 2 COINS – 2 PLAYERS	ON	ON
2 COINS – 1 PLAYER 4 COINS – 2 PLAYERS	OFF	ON

TIME ADJUSTMENTS

	SW #3	SW. #4
60 SECONDS	ON	ON
70 SECONDS	ON	OFF
80 SECONDS	OFF	ON
90 SECONDS	OFF	OFF

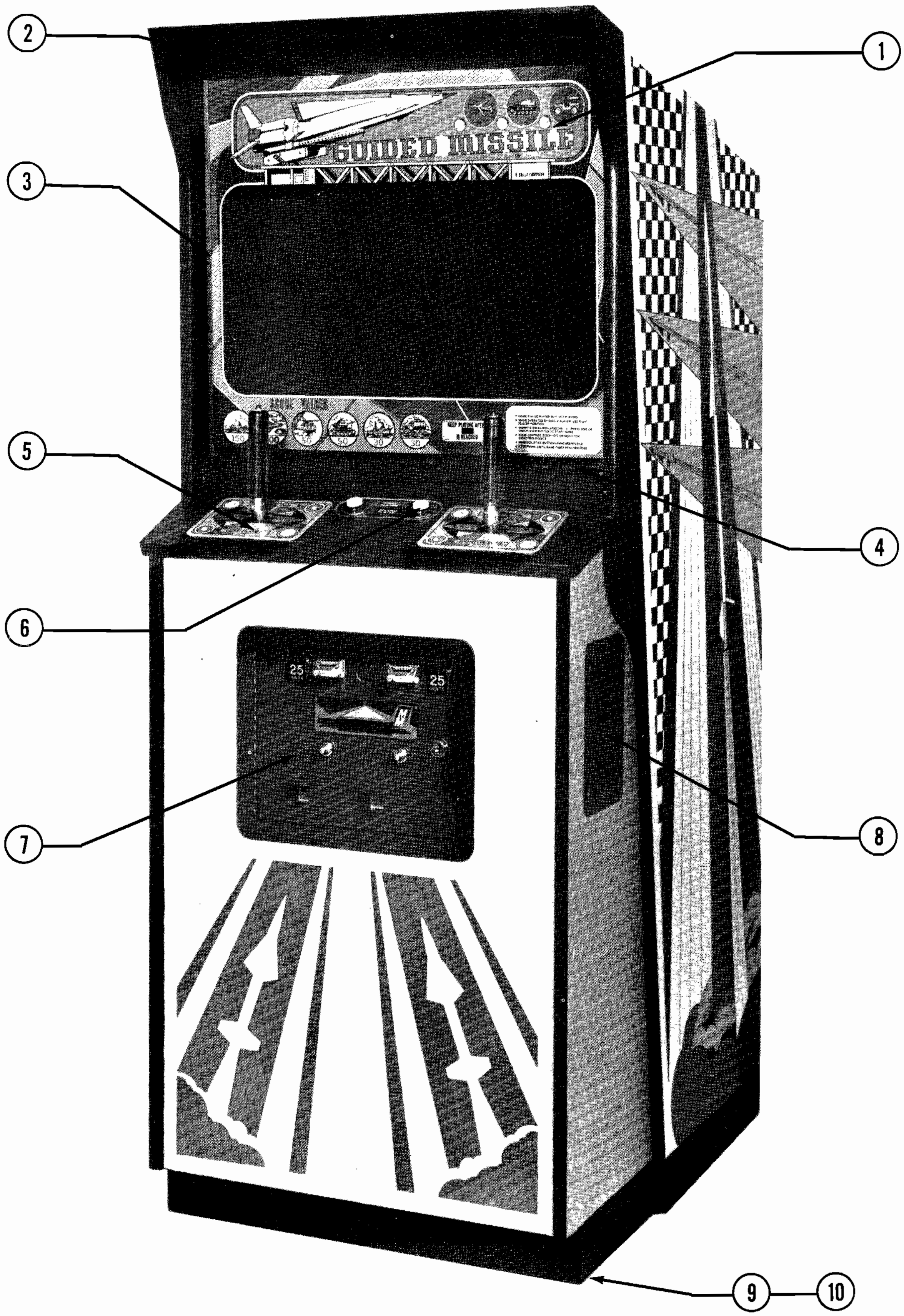
SCORE ADJUSTMENTS

EXTENDED PLAY AT:	SW #5	SW. #6
500	ON	ON
700	ON	OFF
1000	OFF	ON
1300	OFF	OFF

TEST-PLAY

	SW #8
TEST (RAM/ROM)	ON
PLAY MODE	OFF

NO. 623 GUIDED MISSILE (PICTURE)



NO. 623 GUIDED MISSILE (PICTURE)

ORDER BY PART NUMBER ONLY

ITEM	PART Nº	DESCRIPTION
1	0623-00901-01SC	DISPLAY PLEX
2	0537-00903-1500	GLASS CHANNEL – 24¼" LONG
3	0537-00903-2900	GLASS CHANNEL – 21 5/8" LONG (2 REQD.)
4	0537-00138-0000	GLASS LIFT CHANNEL – 24" LONG
5	A623-00004-0000	CONTROL SHELF ASSY.
6	A612-00006-0000	PUSH BUTTON ASSY.
	0017-00009-0384	BUTTON (2 REQD.)
	0612-00908-0000	HOUSING (2 REQD.)
	0010-00242-0000	SPRING (2 REQD.)
	0017-00004-0028	FLAT WASHER (2 REQD.)
	0017-00100-0025	"E" - RING (2 REQD.)
	0017-00103-0054	PALNUT (2 REQD.)
7	A090-00020-02BR	DOUBLE ENTRY COIN DOOR ASSY. (SEE SEPARATE ILLUSTRATION)
8	0017-00003-0187	SPEAKER (2 REQD.)
	0017-00009-0393	GRILL & HARDWARE (2 REQD.)
	0017-00101-0642	#8-32 x 1½ LARGE CARRIAGE BOLT MACHINE SCREW (8 REQD.)
9	0017-00102-0048	LEG LEVELERS (4 REQD.)
10	0017-00103-0026	LEG LEVELER NUTS (4 REQD.)
		NOT SHOWN LIST
	0623-00900-00SC	VACUUM FORMED BACKGROUND SCENCERY
	0623-00904-00SC	SIDE SCENERY CARD - LEFT
	0623-00904-01SC	SIDE SCENERY CARD - RIGHT
	0623-00902-0000	TRANSPARENT MIRROR - 24-3/4" x 21-7/16
	0017-00003-0189	23" MOTOROLA MONITOR
	0017-00101-0637	#8-32x1" CARRIAGE BOLT(4-MONITOR 4-CHASSIS)
	0161-00100-0000	T.V. MTG. WASHER (4 REQD.)
	0017-00103-0008	#8-32 HEX NUTS (4 REQD. MONITOR - 4 REQD. CHASSIS)
	0017-00104-0022	STL WASHER (4 REQD.)
	0161-00002-0000	DAG SPRING ASSY.
	3000-17155-0000	GROUND STRAP
	0592-00104-0100	CHASSIS MTG. BRKT. – RIGHT HAND
	0592-00104-0200	CHASSIS MTG. BRKT. – LEFT HAND

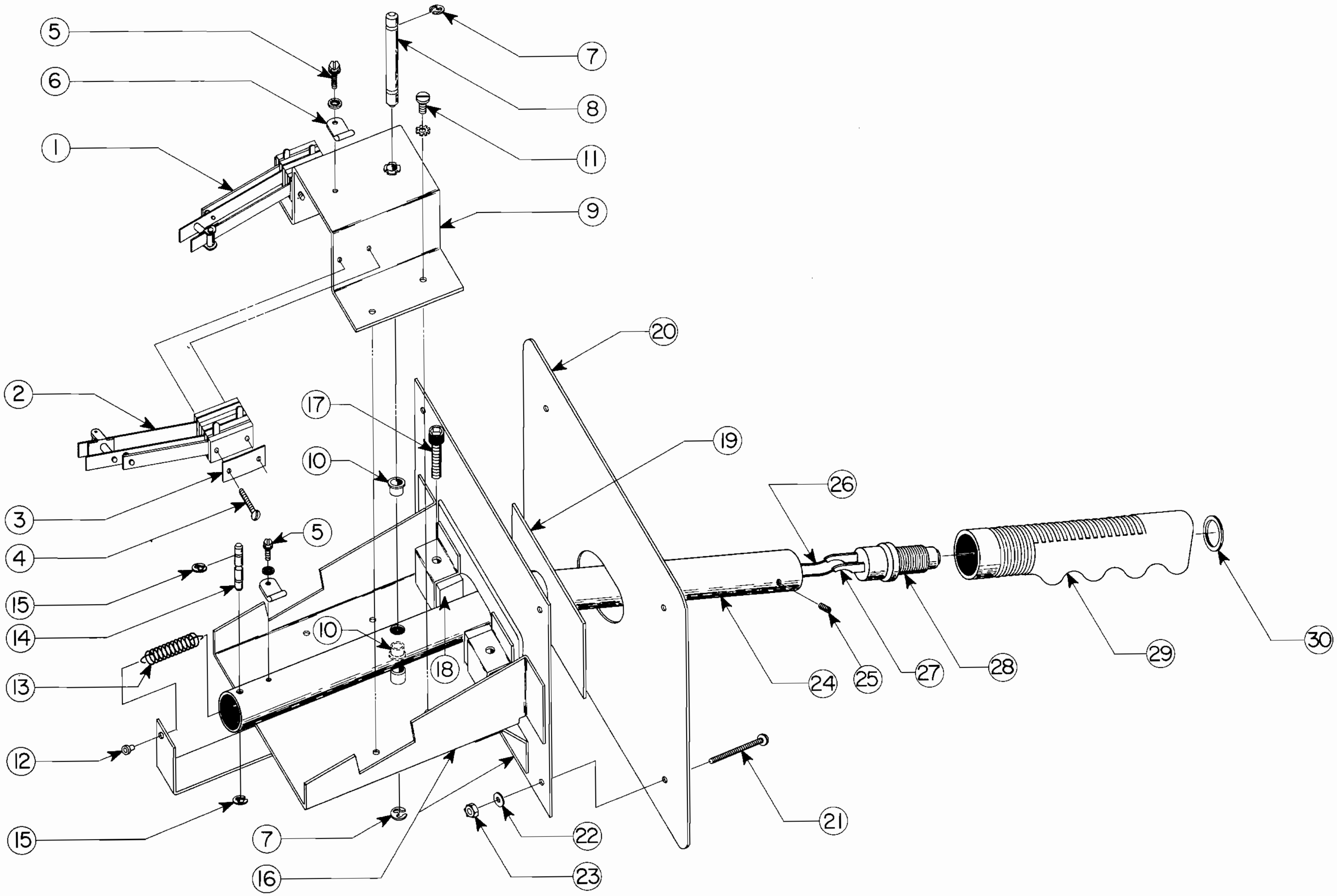
MIDWAY MFG. CO.

NO. 623 GUIDED MISSILE (PICTURE)

ORDER BY PART NUMBER ONLY

ITEM	PART Nº	DESCRIPTION
		NOT SHOWN LIST CONTINUED
	0605-00108-0000	GLASS LOCK EXTENSION (2 REQD.)
	0623-00111-0000	GLASS LOCK BRKTS. (2 REQD.)
	0017-00009-0009	TURN BUTTON (2 REQD.)
	0605-00908-0000	CARDBOARD TUBE MASK
	A619-00005-0000	UPPER BACK DOOR W/LOCK ASSY.
	A612-00009-0000	BOTTOM BACK DOOR W/LOCK ASSY.
	A097-00001-0000	LOCK ASSY. (2 REQD.)
	0017-00005-0046	LOCK (2 REQD.)
	0017-00005-0051	LOCK PLATE (2 REQD.)
	0017-00005-0042	CAM (2 REQD.)
	0017-00101-0017	6x1/2 HEX HD. WD. BLK. SEMS.(4 REQD.)
	0017-00031-0002	SOCKETS (5 REQD.)
	0017-00003-0052	LAMPS (5 REQD.)
	0567-00106-0100	S.W. MTG. PLATE
	0586-00036-0000	ON-OFF SWITCH

NO. 623 GUIDED MISSILE – RIGHT CONTROL HANDLE ASSY.



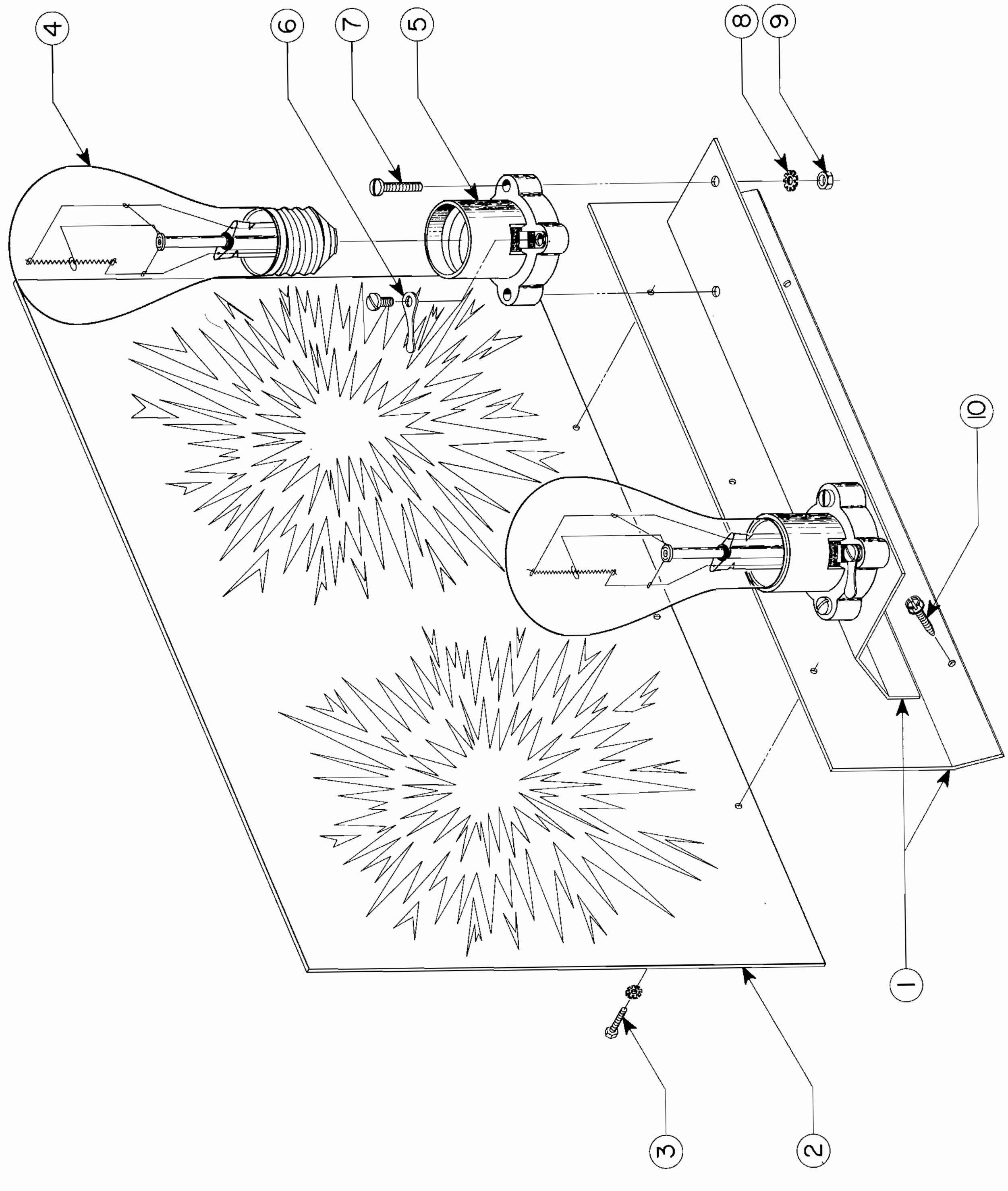
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A BALLY COMPANY

NO. 623 GUIDED MISSILE – RIGHT CONTROL HANDLE ASSY.

ORDER BY PART NUMBER ONLY

ITEM	PART No	DESCRIPTION
1	0571-00004-0000	SWITCH ASSEMBLY – LEFT
2	0571-00004-0100	SWITCH ASSEMBLY – RIGHT
3	0020-00202-0000	SWITCH PLATE (2 REQD.)
4	0017-00101-0528	#5-40 x 3/4 RD. HD. M. S. (4 REQD.)
5	0017-00101-0555	#6-32 x 5/16" SLT. HEX. HD. S.T.S.(2 REQD.)
6	0017-00042-0001	1/8 CLAMP (2 REQD.)
7	0017-00100-0025	"E" RING (2 REQD.)
8	0623-00702-0000	PIVOT PIN
9	0623-00008-0000	BRKT. & BUSHING SUB. ASSY.
10	0017-00042-0165	NYLINER (2 REQD.)
11	0017-00101-0646	#10-32 x 1/4 SLT. PAN.HD.S.E.M.(4 REQD.)
12	0017-00042-0115	INSULATOR
13	0010-00248-0000	EXTENSION SPRING
14	0623-00703-0000	SPRING PIN
15	0017-00100-0018	"E" RING (2 REQD.)
16	A623-00007-0000	CONTROL ASSEMBLY
17	0017-00102-0065	5/16 - 18 SOCKET HD. CAP SCREW(2 REQD.)
18	0544-00907-0000	RUBBER BUMPER (2 REQD.)
19	0623-00903-0000	SLIDE
20	0623-00100-00SC	DECORATIVE PLATE – RIGHT
	0623-00100-01SC	DECORATIVE PLATE – LEFT (NOT SHOWN)
21	0017-00101-0639	#8-32 x 1-1/4 CARRIAGE BOLT (4 REQD.)
22	0017-00104-0022	#8 WASHER (4 REQD.)
23	0017-00103-0008	#8-32 HEX NUT (4 REQD.)
24	0623-00700-0000	HANDLE TUBE
25	0017-00101-0307	#8-32 x 1/8 SET SCREW (2 REQD.)
26	0017-00033-0167	WIRE LEADS (2 REQD.)
27	0623-00911-0000	SHRINK TUBING (2 REQD.)
28	0017-00032-0004	PUSH BUTTON SWITCH
29	0586-00921-0000	GRIP
30	0017-00021-0009	15/32-32 NUT
	A623-00009-0000	RIGHT HAND CONTROL ASSY. – COMPLETE
	A623-00010-0000	LEFT HAND CONTROL ASSY. – COMPLETE
	0017-00001-0066	#1 WIRE NUT (NOT SHOWN)

NO. 623 GUIDED MISSILE EXPLOSION LAMP ASSY.



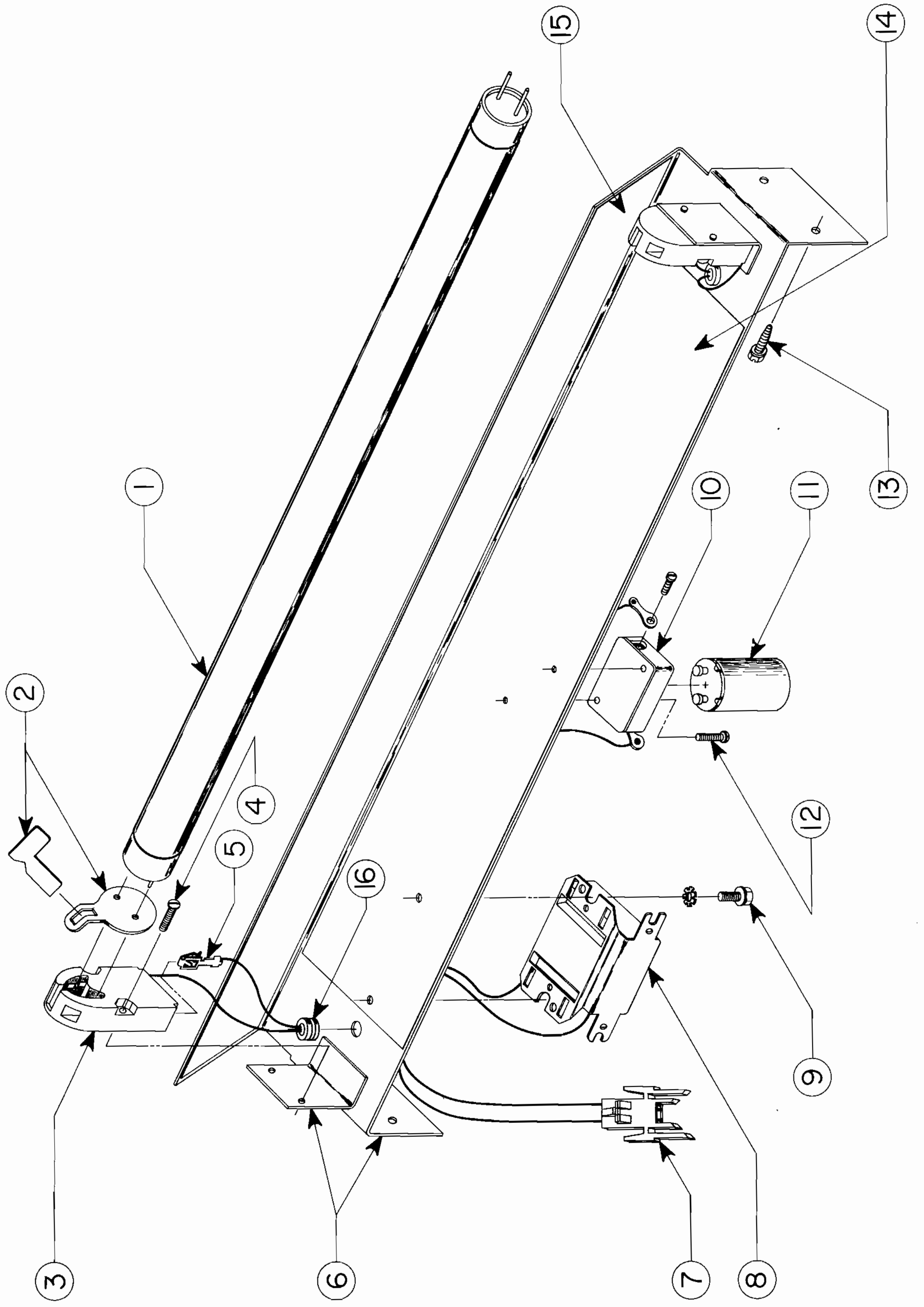
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NO. 623 GUIDED MISSILE EXPLOSION LAMP ASSY.

ORDER BY PART NUMBER ONLY

ITEM	PART Nº	DESCRIPTION
1	A623-00011-0000	EXPLOSION LAMP WELDING ASSY.
2	0623-00909-00SC	EXPLOSION BUYTRATE
3	0017-00101-0555	#6-32 x 5/16 HEX HD. S/T M. S. (3)
4	0017-00003-0170	PROJECTOR LAMP – 100W CLEAR (2)
5	0017-00003-0135	LAMP SOCKET (2 REQD.)
6	0017-00021-0002	SOLDER LUGS (4 REQD.)
7	0017-00101-0626	#8-32 x ¾ PAN HD. MACH. SCREW (4)
8	0017-00104-0010	#8 EXTERNAL SHAKE-PROOF WASHER (4)
9	0017-00103-0008	#8-32 HEX NUT (4 REQD.)
10	0017-00101-0017	6 x ½ HEX HD. W/W BLK. S.M.S. (2 REQD.)
	0017-00021-0098	3 POSITION TERM. JACK - FEMALE (NOT SHOWN)
	A623-00012-0000	EXPLOSION LAMP ASSY. – COMPLETE

NO. 623 GUIDED MISSILE – FLUORESCENT FIXTURE ASSY.

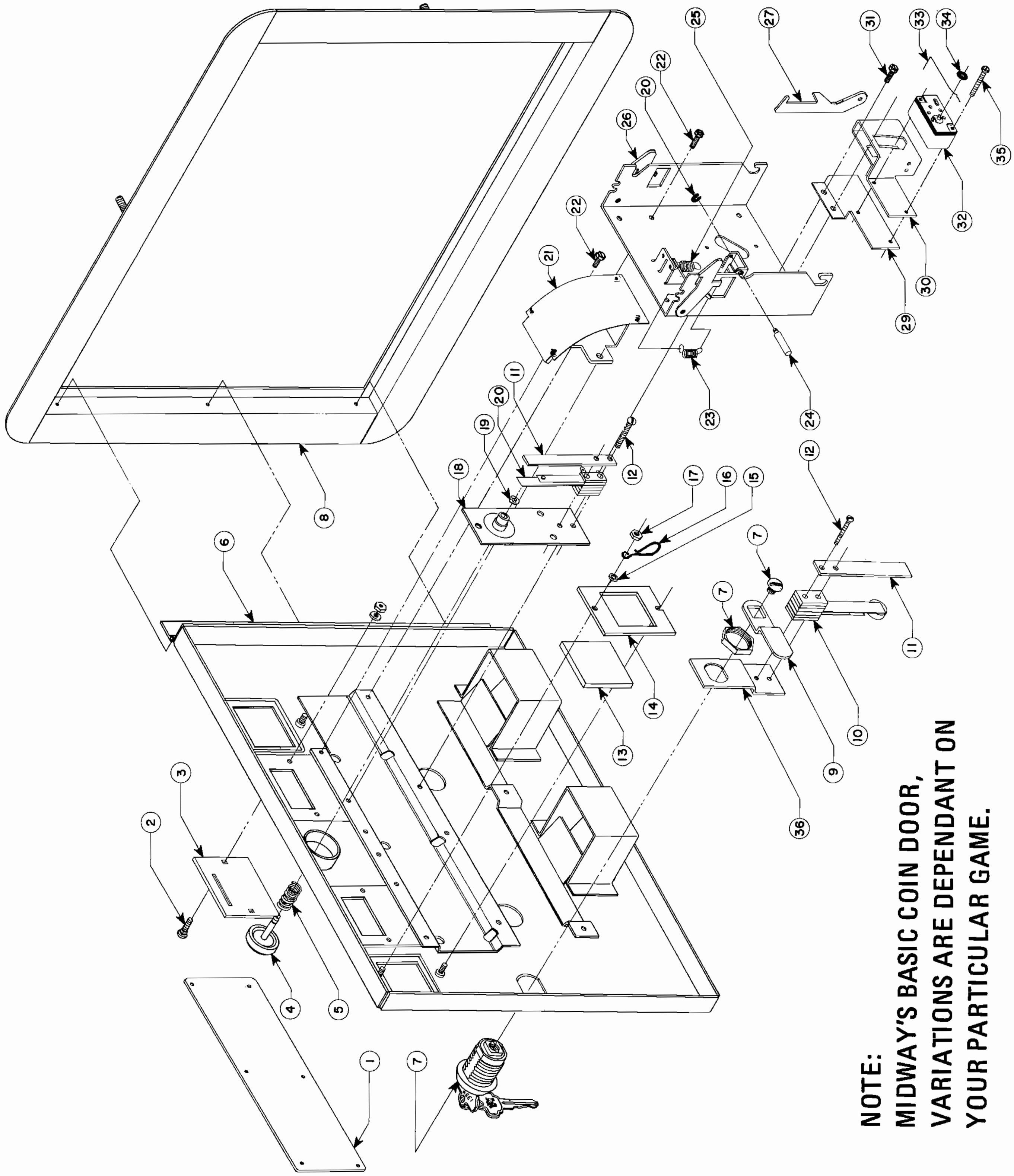


NO. 623 GUIDED MISSILE – FLUORESCENT FIXTURE ASSY.

ORDER BY PART NUMBER ONLY

ITEM	PART №	DESCRIPTION
1	0017-00003-0110	24" FLUORESCENT LAMP
2	0017-00021-0005	FLUOR. LOCKS (2 REQD.)
3	0017-00031-0015	LAMP HOLDERS (2 REQD.)
4	0017-00101-0521	#5-40 x 3/8 BINDER HD. M.S. (4 REQD.)
5	0017-00021-0078	BRASS FLUORESCENT TERM (4)
6	0605-00007-0000	FLUORESCENT BRKT. ASSY.
7	0017-00021-0096	2 TERMINAL JACK - FEMALE
8	0017-00003-0026	BALLAST
9	0017-00101-0593	#8-32 x ¼ PAN HD. EXT. SEM. M.S. (2)
10	0017-00021-0079	STARTER HOLDER
11	0017-00003-0019	STARTER
12	0017-00101-0528	#5-40 x 3/4 RHMS (2 REQD.)
13	0017-00101-0017	6 x ½ HEX. HD. W/W BLK. S.M.S. (4)
14	0605-00910-0100	REFLECTOR STRIP - 21¼" LONG
15	0605-00910-0200	REFLECTOR STRIP - 24½" LONG
16	0017-00041-0013	GROMMETS (2 REQD.)
	0605-00010-0000	FLUORESCENT FIXTURE ASSY. – COMPLETE

NO. 623 GUIDED MISSILE FRONT DOOR ASSY.



NOTE:
MIDWAY'S BASIC COIN DOOR,
VARIATIONS ARE DEPENDANT ON
YOUR PARTICULAR GAME.

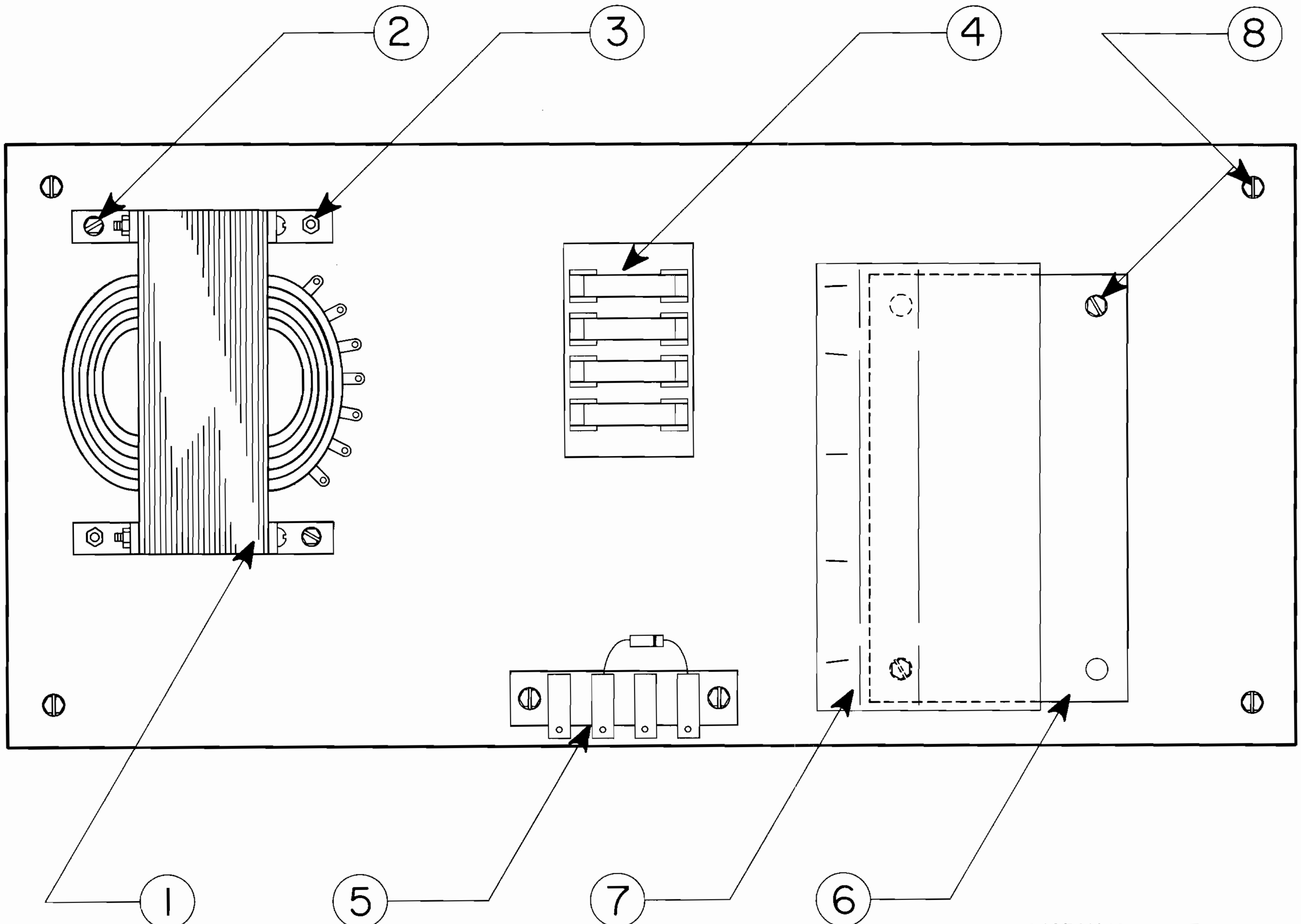
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NO. 623 GUIDED MISSILE FRONT DOOR ASSY.

ORDER BY PART NUMBER ONLY

ITEM	PART Nº	DESCRIPTION
1	0090-00902-0000	DRESS PLATE
	0090-00902-0100	DRESS PLATE (W/O PRESS BUTTON TO START GAME)
2	0017-00101-0552	6-32 x 1/4 CARRIAGE BOLT (2)
3	0090-00117-0003	COIN ENTRY PLATE (25¢)
4	0090-00906-0000	PLASTIC START BUTTON
5	0010-00007-0000	COMPRESSION SPRING
6	0090-00013-0200	DOOR ASSY. DOUBLE ENTRY
7	0017-00005-0050	DOOR LOCK & KEY WITH SCREW & NUT
8	0090-00002-02BR	DOUBLE DOOR FRAME
9	0017-00005-0041	421 N.S. CAM
10	0090-00901-0000	DOOR SWITCH
11	0090-00126-012N	SWITCH BACKUP PLATE
12	0017-00101-0528	5-40 x 3/4" LNG. M.S.
13	0090-00903-0040	25¢ WINDOW
14	0090-00143-0000	COIN PLEX RETAINER
15	0017-00104-0002	SPLIT LOCK WASHER
16	0017-00007-0019	KEY HOOK
17	0017-00103-0005	6-32 HEX NUT
18	0090-00010-0000	SW. PLATE & OILLITE ASSY.
19	0017-00100-0018	"E" RING
20	0090-00131-0000	SWITCH
21	0090-00104-0000	TOP & BTM. COIN CHUTE W/BRKT. ASSY.
22	0017-00101-0598	8-32 x 5/16 SCREW
23	0010-00181-0100	SPRING
24	0090-00129-0000	PIVOT POST
25	0010-00134-0000	SPRING
26	0090-00008-0000	ACCEPTOR FRAME ASSY.
27	0093-00155-0000	REJECTOR LEVER
28	0017-00100-0012	"E" RING
29	0093-00151-0000	COIN GUIDE MTG. BRACKET
30	0090-00005-0000	COIN GUIDE ASSY.
31	0017-00101-0555	6-32 x 5/16 SCREW
32	0017-00005-0039	COIN SWITCH
33	0010-00557-0025	TRIP WIRE
34	0017-00007-0132	PUSH-ON RING (BIK)
35	0017-00101-0507	#4-36 x 3/4 SCREW

NO. 623 GUIDED MISSILE TRANSFORMER BOARD ASSY.



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NO. 623 GUIDED MISSILE TRANSFORMER BOARD ASSY.

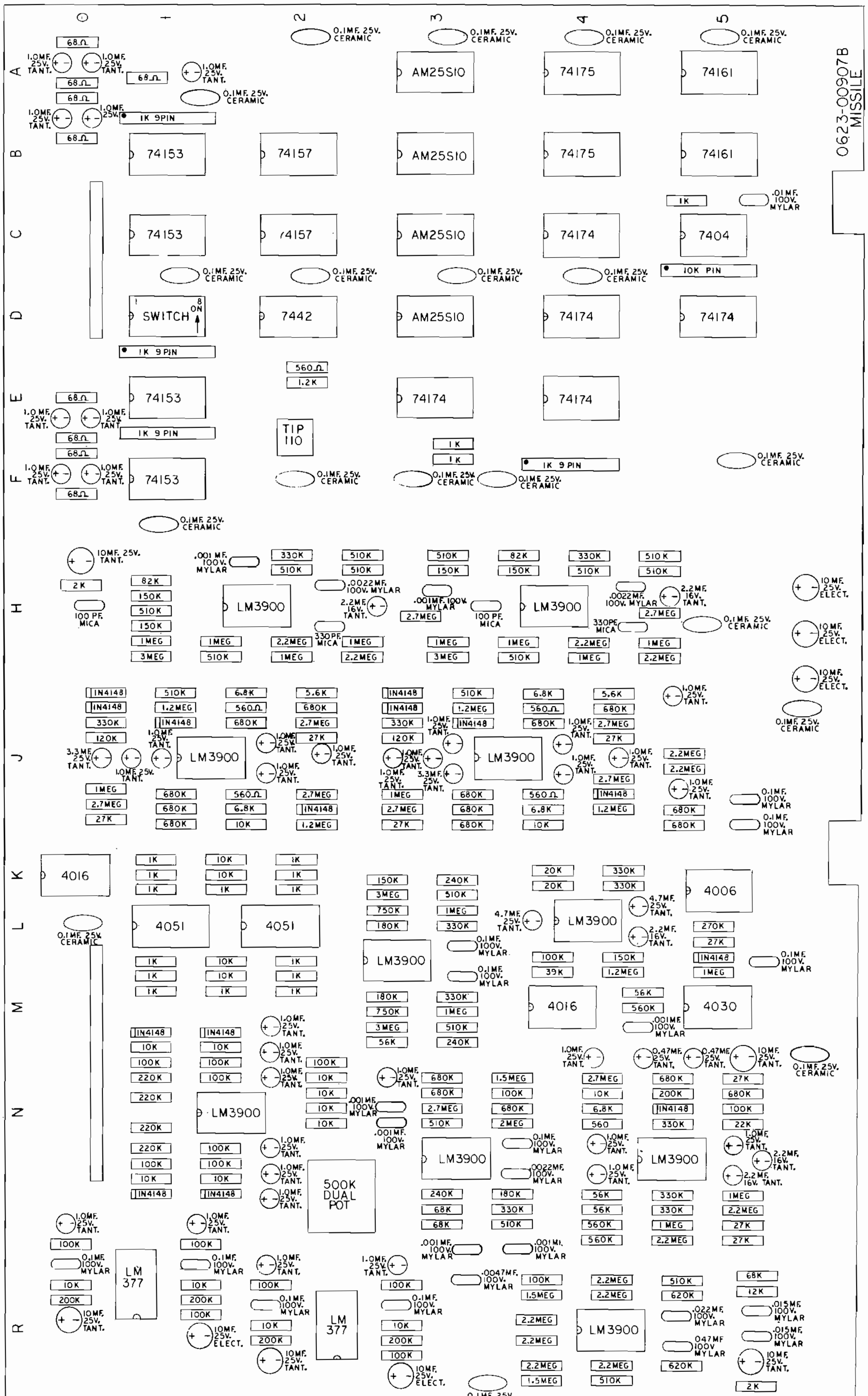
ORDER BY PART NUMBER ONLY

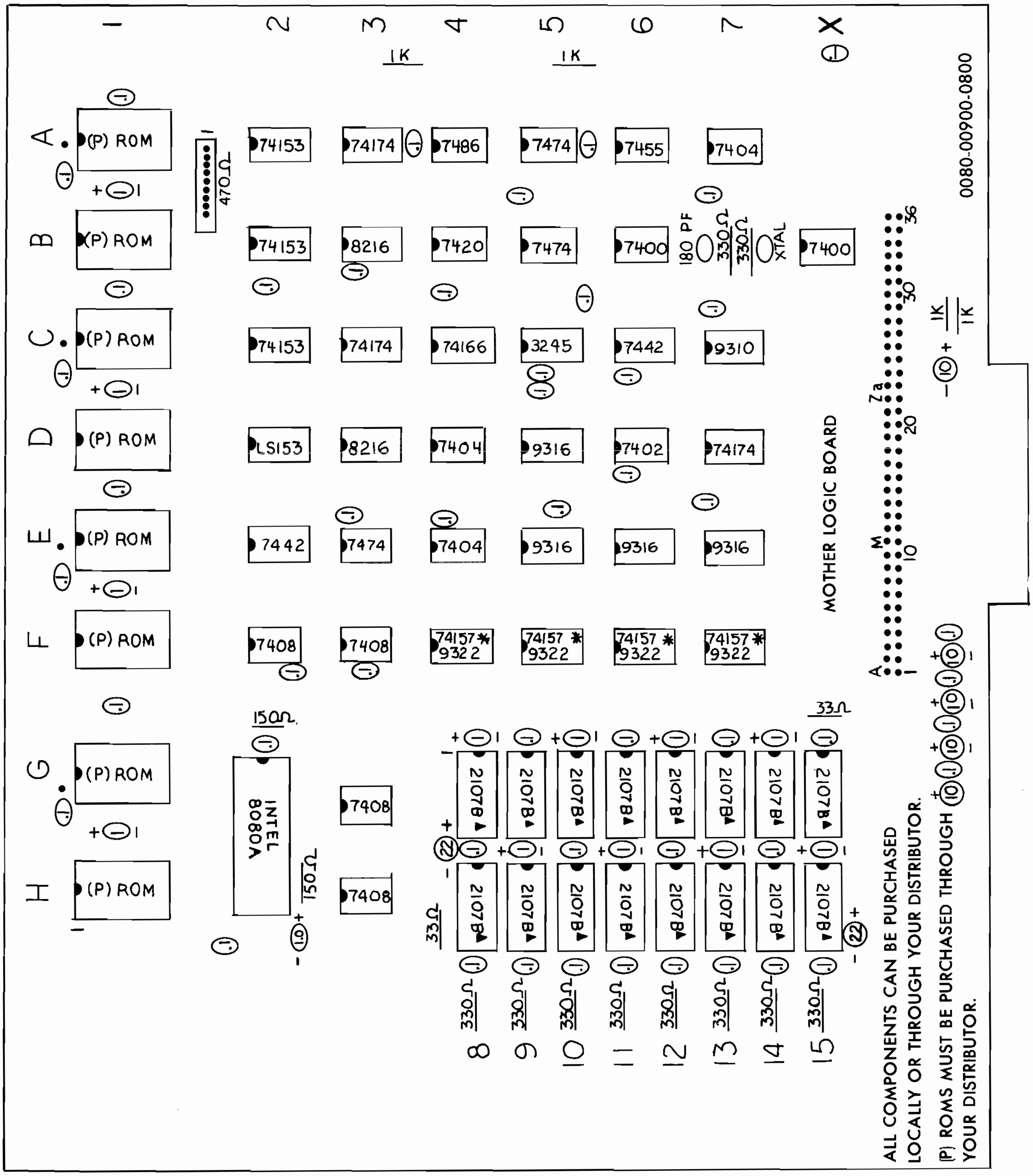
ITEM	PART Nº	DESCRIPTION
1	MT00-00058-0000	TRANSFORMER
2	0017-00101-0017	6 x ½ HEX HD. S.M.S. (6 REQD.)
3	0017-00101-0692	CARRIAGE BOLTS (2 REQD.)
4	0720-00001-0000	FUSE BLOCK ASSY.
5	0031-00001-0000	TERMINAL STRIP ASSY.
6	0623-00910-0800	EXPLOSION LIGHT P.C. BRD.
7	0623-00912-0000	FISH PAPER
8	0017-00101-0028	8 x ¾ HEX HD. S.M.S. (6 REQD.)
	0017-00003-0064	LINE CORD (NOT SHOWN)
	A623-00016-0000	TRANSFORMER BRD. ASSY. - COMPLETE

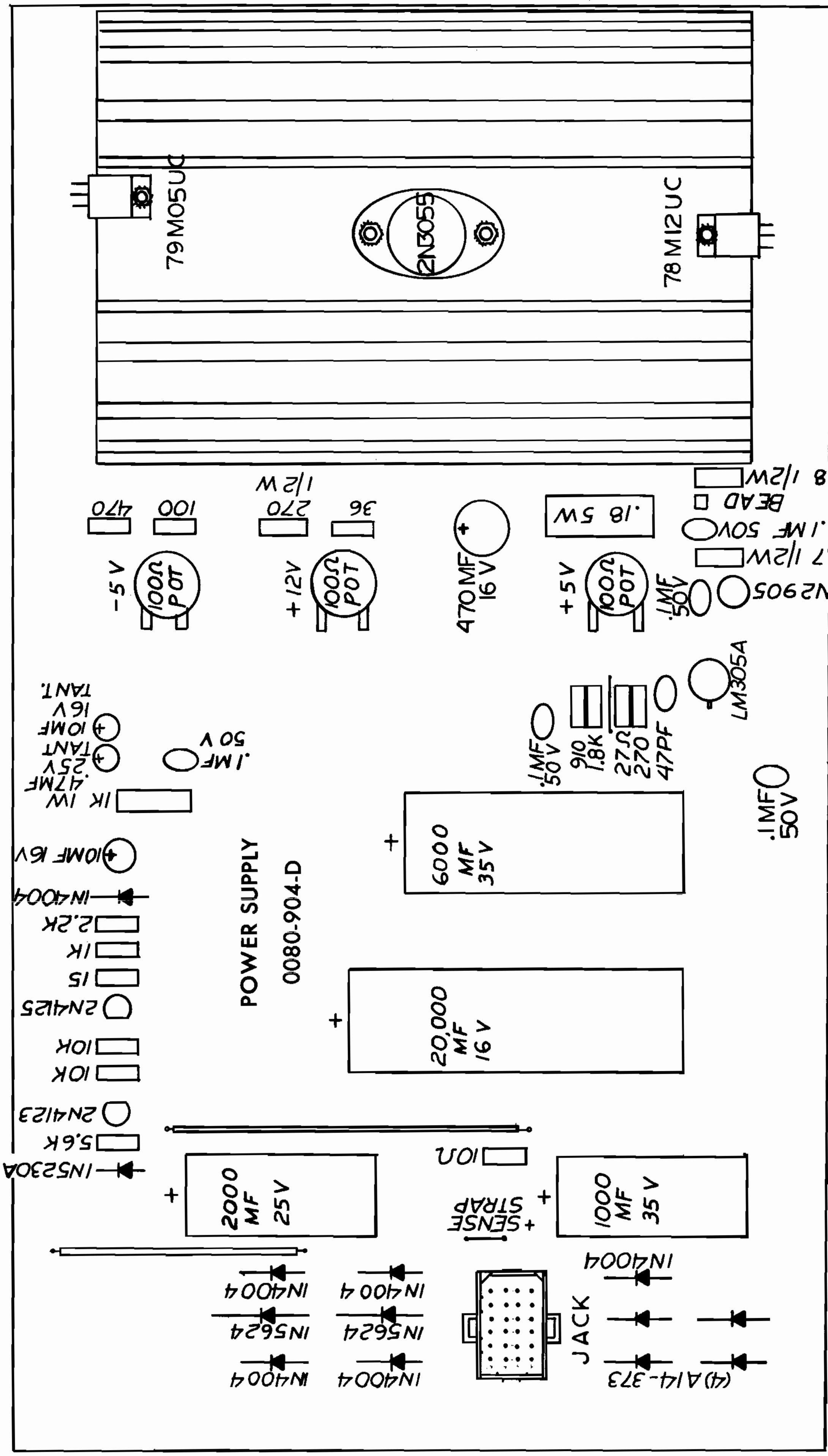
NO. 623 GUIDED MISSILE – ADDITIONAL PARTS LIST

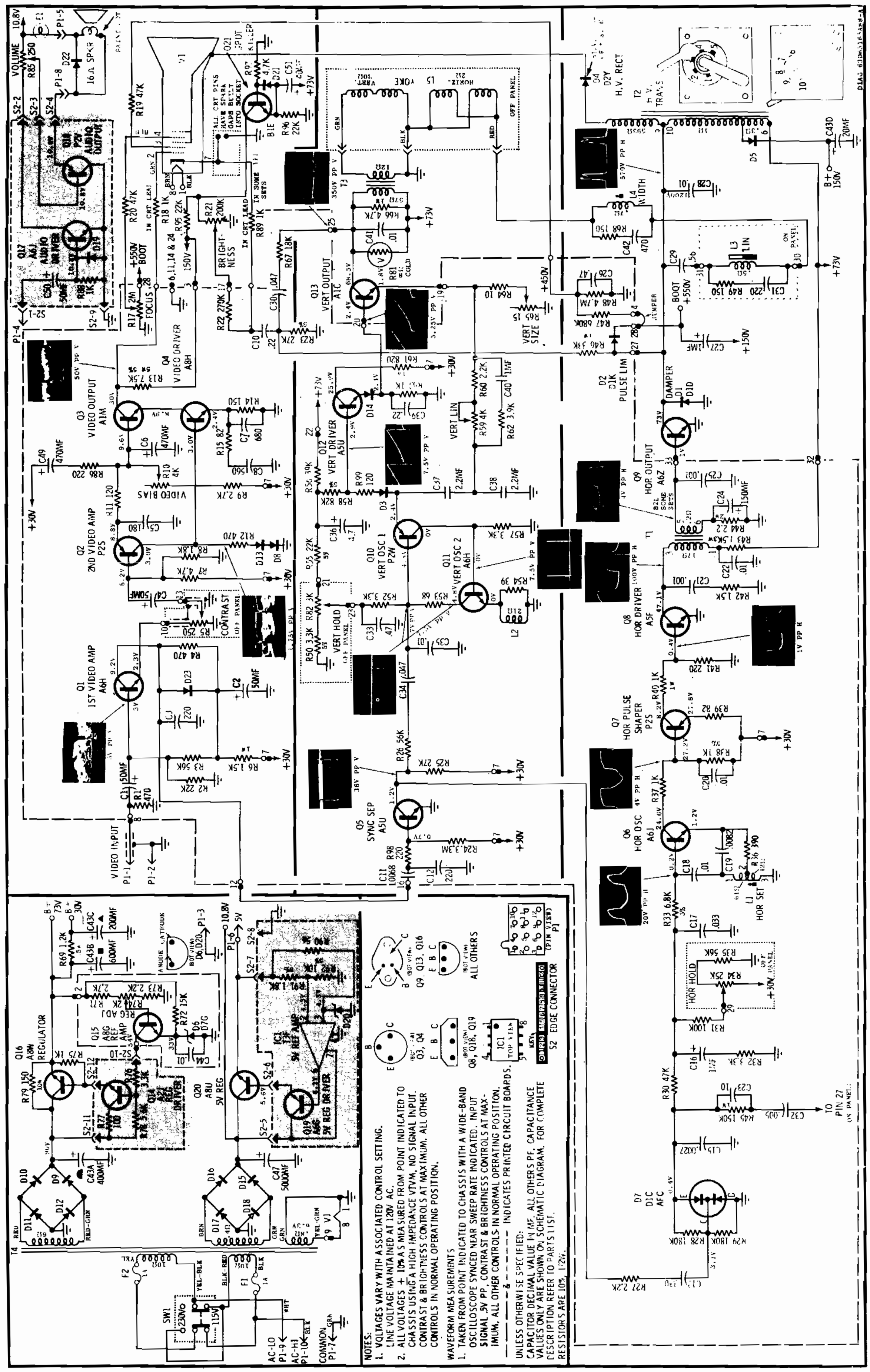
ORDER BY PART NUMBER ONLY

ITEM	PART Nº	DESCRIPTION
	A623-00010-0000	CASH BOX ASSY.
	A623-00013-0000	CASH BOX COVER ASSY.
	A623-00014-0000	SIDE CHANNEL RIVETING ASSY.
	0623-00108-0100	CASH BOX SIDE CHANNELS
	0017-00101-0628	#8-32 x 3/4 CARRIAGE BOLTS (4 REQD.)
	0017-00104-0022	STEEL WASHER (4 REQD.)
	0017-00103-0008	#8-32 HEX NUTS (4 REQD.)
	0572-00103-0000	VENT GRILL (2 REQD.)
	0605-00107-0000	FISH PAPER BARRIER
	A567-00003-0100	P. C. SUPPORT BRKT. ASSY.
	0623-00906-0300	P. C. SUPPORT BRKTS. (3 REQD.)
	0017-00101-0025	8 x 1/2 HEX HD. WD. SCR. (8 REQD.)
	0080-00904-D000	POWER SUPPLY ASSY.
	A623-00005-0000	MOTHER & GAME BRD. ASSY.
	0080-00900-E000	MOTHER BOARD ASSY.
	A623-00907-0800	GAME BOARD ASSY.


0623-00907B
MISSILE
74175
74161
AM25S10
74153
74157
74174
7404
SWITCH
7442
TIP 110
LM3900
4016
4051
4006
4030
500K DUAL POT
LM 377


MOTHER LOGIC BOARD
0080-00900-0800
INTEL 8080A
ALL COMPONENTS CAN BE PURCHASED LOCALLY OR THROUGH YOUR DISTRIBUTOR.
(P) ROMS MUST BE PURCHASED THROUGH YOUR DISTRIBUTOR.


POWER SUPPLY
0080-904-D
79M05UC
2N3055
78M12UC
68 1/2W
BEAD
.1MF 50V
4.7 1/2W
2N2905
.18 5W
470MF 16V
+5V
100Ω POT
.1MF 50V
1/2 W
270
36
+12V
100
470
-5V
LM305A
.1MF 50V
910
1.8K
27Ω
270
47PF
TANT.
16V
10MF
TANT
25V
.47MF
.1MF 50 V
1K 1W
10MF 16V
IN4004
2.2K
1K
15
2N4125
10K
2N4123
5.6K
IN5230A
6000 MF 35 V
20,000 MF 16 V
2000 MF 25V
1000 MF 35 V
10Ω
+SENSE STRAP
IN5624
JACK
(4) A14-373



Schematic Diagram
XM-702-10